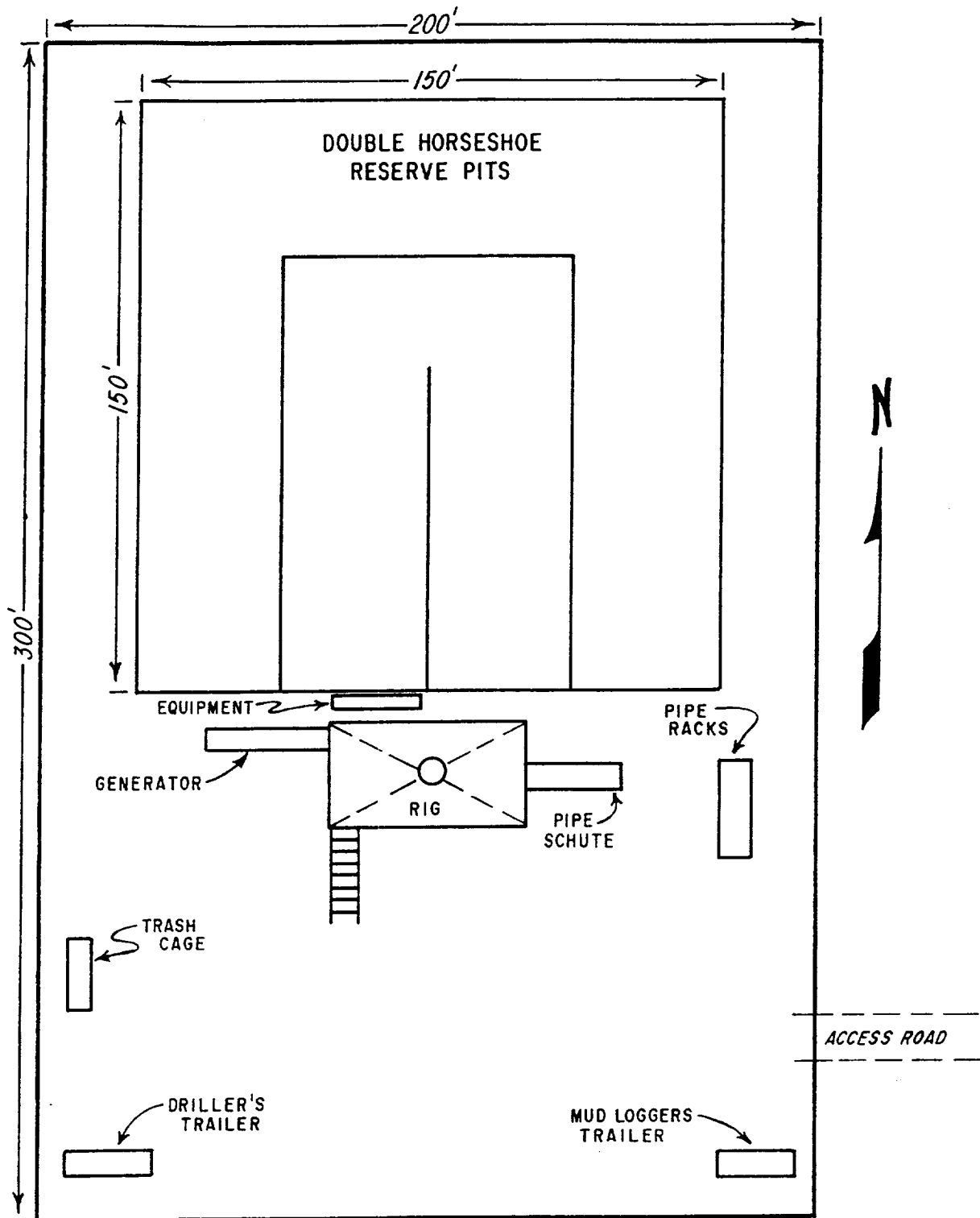


LOCATION PLAT



H. L. BROWN, JR.
FEDERAL "27" NO. 2
SECTION 27, T-7-S , R-37-E
ROOSEVELT COUNTY, NEW MEXICO

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MULTI-POINT SURFACE USE AND OPERATIONS PLAN

H. L. BROWN, JR.
FEDERAL "27" #2
2590' FSL AND 330' FWL, SEC 27, T-7S, R-37E
ROOSEVELT COUNTY, NEW MEXICO
NEW MEXICO LEASE NM-54449

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbances involved, and the procedures to be followed in rehabilitating the surface after completion of the operations so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a highway map showing the location of the proposed well as staked. Well is approximately 10 miles east of Milnesand on State Highway 262. Go approximately 4 1/2 miles east of Bluit to a lease road on left. Go north approximately 3 1/2 miles then go west to Holly Federal #1, then Northwest 3/4 mile to Federal 27 #1 location, then south 1091 feet to proposed well site.
- B. Exhibit "A" 1 is a plat showing all existing roads within a one-mile radius of the well-site.
- C. There is no plans to improve or repair any of the existing roads at this time; however, this is an area where H. L. Brown, Jr. operates eleven gas wells and three oil wells, and the existing roads have been maintained in the past and that practice will continue in the future.

2. PLANNED ACCESS ROADS:

- A. Length and width: New road required will be twelve feet wide and approximately 200 feet long and will enter the location on the southeast side. This new road is labeled and color coded blue on Exhibit "A". The center line of the proposed new road from the beginning to the wellsite has been staked and flagged with the stakes being visible from any one to the next.
- B. Surfacing Material: Six inches of caliche, water, compacted and graded.
- C. Maximum Grade: 3 percent.
- D. Turnouts: None required.
- E. Drainage Design: New road will have a drop of six inches from center line on each side.

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- F. Culvert: This is a relatively flat surface broken with occasional low dunes of some 3-4' in relief. It is planned to meander slightly to avoid as much cutting and filling as practical; however, some dune levelling will be necessary on both the new road and on the proposed location.

3. LOCATION OF EXISTING WELLS:

- A. Existing wells within a one-mile (plus) radius are shown on Exhibit "A".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. A tank battery, flow lines, and well equipment exist on this lease on the Federal "27" #1 well location owned by H. L. Brown, Jr.
- B. If the proposed well is productive, a flow line will be laid from the Federal "27" #2 well location to the tank battery at the Federal "27" #1 well location.

5. TYPE OF WATER SUPPLY:

- A. Water will be purchased and trucked to location by low bidder.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. Caliche for surfacing the well pad will be obtained from an existing pit in Section 27, approximately 0.9 miles East of the proposed well location. The pit is on land owned by A. E. Perkins of Odessa, Texas. Location of the pit is shown on Exhibit "A". Caliche for the access road will be purchased and trucked from a private pit.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.

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- C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper, garbage, and junk will be discarded in a trash trailer and hauled to a state approved garbage disposal facility. All waste material will be contained within trailer to prevent scattering by the wind. Location of trash trailer is shown on Exhibit "B".
- F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

- A. None required.

9. WELLSITE LAYOUT:

- A. Exhibit "B" shows the relative and dimensions of the well pad.
- B. Only minor levelling of the wellsite will be required. No significant cuts and fills will be necessary.
- C. The reserve pit will be plastic lined.
- D. The pad and pit area have been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite is as aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.

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- C. After abandonment of the well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and location will be cleaned. The pit area, well pad, and all unneeded access road will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.

11. OTHER INFORMATION:

- A. Topography: Land surface is undulating to gently rolling and dunny. From an elevation of 4054.7 feet at the wellsite, the surface slopes gently toward the East at about 30 feet per mile.
- B. Soil: Soil is predominantly sand and sandy loam underlain by caliche.
- C. Flora and Fauna: The vegetative cover is generally fifty to seventy-five percent and consists of mesquite, yucca, shinny oak, sandsage, and perennial native range grass. Wildlife in the area is the typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, prairie chicken, dove, quail, and occasional antelope.
- D. Ponds and Streams: There are no rivers, streams, lakes, or ponds in the area.
- E. Residences and Other Structures: There are no occupied dwellings or other structures within or near the proposed area of the wellsite.
- F. Archeological, Historical and Cultural Sites: None observed in the area.
- G. Land Use: Grazing and hunting in season.
- H. Surface Ownership: Wellsite and road are on surface owned by Mr. Arlon Perkins.

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OFFICE

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Federal "27" #2

12. OPERATOR'S REPRESENTATIVES:

The field representative responsible for assuring compliance with the approved surface use and operations plan is:

John Gray	(915) 685-4033 (Residence)
Production Engineer	(915) 683-5216 (Office)

H. L. Brown, Jr.'s office is located at 300 W. Louisiana, Midland, Texas 79702.

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by H. L. Brown, Jr. and his contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved. This statement is subject to provisions of 18 U.P.S. 1001 for the filing of false statement.

6/17/93

Date

John I. Gray

John Gray
Production Engineer
H. L. Brown, Jr.

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